

IN THE ABSTRACT:

Please add the Abstract as follows:

The invention relates to a rotor assembly which is mounted such as to rotate around an axis of rotation (X-X') and which comprises two magnet wheels with claws (10). The aforementioned magnet wheels are separated by an axial space and are disposed opposite one another. Moreover, each wheel (10) comprises an end shield (11) which is essentially perpendicular to the aforementioned axis (X-X'), and claws (12) extended axially from said end shield (11) towards the other wheel (10). The claws (12) of one wheel (10) are solidly connected to the end shield (11) by respective bases (121) which are separated from one another by peripheral spaces (13). The inventive assembly comprises at least one fan (30) which is positioned on an axial face of the end shield (11) of one of the wheels (10) opposite the other wheel (10), such that the fan (30) axially seals at least part of one of the peripheral spaces (13).